Honeywell

HRGX Performance Series

4/8/16-Channel Embedded DVR

NTSC		PAL	
HRGX45	HRGX82	HRGX45X	HRGX82X
HRGX41	HRGX161	HRGX41X	HRGX161X
HRGX85	HRGX162	HRGX85X	HRGX162X
HRGX81	HRGX164	HRGX81X	HRGX164X

Remote Web Access User Guide

Document 800-18321 – Rev A – 06/2014

Revisions

Issue	Date	Revisions
A	06/2014	New document.

About This Document

This document describes how to access Honeywell's HRGX Performance Series embedded DVR remotely using a browser-based web client.

This document is intended primarily for remote users.

Overview of Contents

This document contains the following chapters:

- *Chapter 1, Connecting to the DVR*
- *Chapter 2, Viewing and Recording Live Video*
- *Chapter 3, Viewing and Saving Recorded Video*
- *Chapter 4, Working with Log Files*
- *Chapter 5, Configuring the DVR Remotely*

Related Documents

For more information about using the HRGX DVR, refer to the following documents:

Document title	Part number
HRGX DVR Getting Started Guide	800-16693
HRGX DVR User Manual	800-16694
HRGX DVR Apple Device Mobile App User Guide	800-18322
HRGX DVR Android Device Mobile App User Guide	800-18323
Multi-Site 4200 User Guide for Windows	800-12064V2
Multi-Site 4200 User Guide for Mac	800-13101

** These part numbers are subject to change. Please consult the HRGX Performance Series DVR product webpage for the latest versions of these documents.*

1

Connecting to the DVR

This chapter contains the following sections:

- *Before You Begin, page 5*
- *Accessing the DVR Remotely, page 7*

Before You Begin

Before you begin, ensure that the following system, network, and browser requirements have been met.

System Requirements

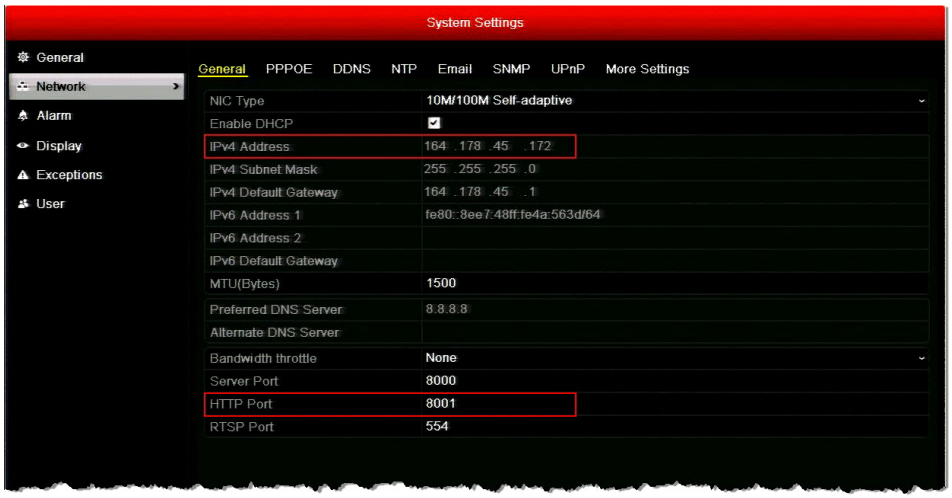
Your PC must meet the following minimum system requirements:

Operating System	Windows 7 or later
CPU	Pentium 4, 3.0 GHz or faster
System Memory (RAM)	1 GB or more
Display	1024 × 768 resolution or higher
Browser	Internet Explorer 8 or later

Network Requirements

Your PC should be connected to the same local area network (LAN) as the DVR you want to access. To access the DVR over a wide area network (WAN), you will need to set up port forwarding on the DVR's router. Contact your network administrator or the router manufacturer for assistance.

Write down the DVR's IP address and HTTP port number (the default HTTP port setting is **8001**). You can find this information by logging on to the DVR and going to **Menu > Settings > Network > General**.

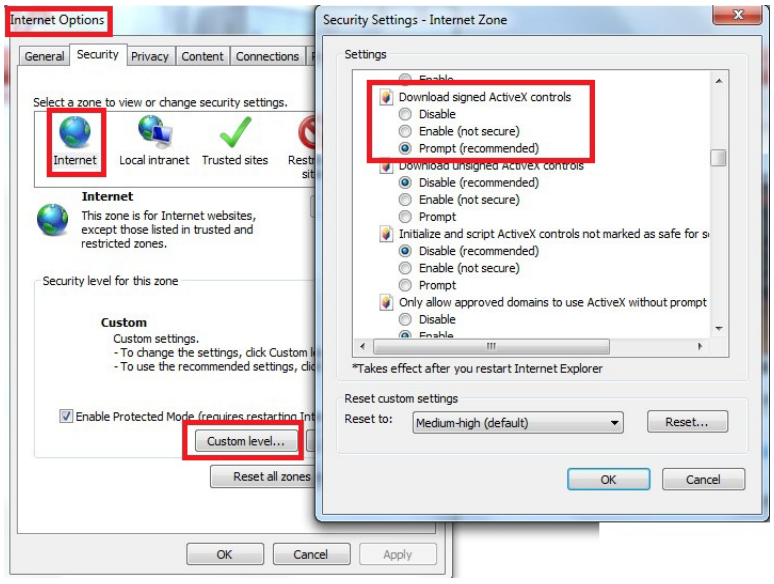


Browser Requirements

To run the HRGX web client in your browser, you must install an ActiveX control. Ensure that your browser is configured to download and run ActiveX controls.

To configure your browser to download and run ActiveX controls:

1. Open Internet Explorer.
2. Click **Tools** > **Internet Options** > **Security** > **Custom level**.
3. Scroll down the **Security Settings** list until you see **ActiveX controls and plug-ins**.
4. Scroll down to **Automatic prompting for ActiveX controls** and click **Enable**.
5. Scroll down to **Download signed ActiveX controls** and click **Enable** or **Prompt**.
6. Scroll down to **Run ActiveX controls and plug-ins** and click **Enable** or **Prompt**.
7. Click **OK**, and then click **OK** again.

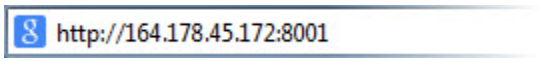


Accessing the DVR Remotely

To access the DVR remotely:

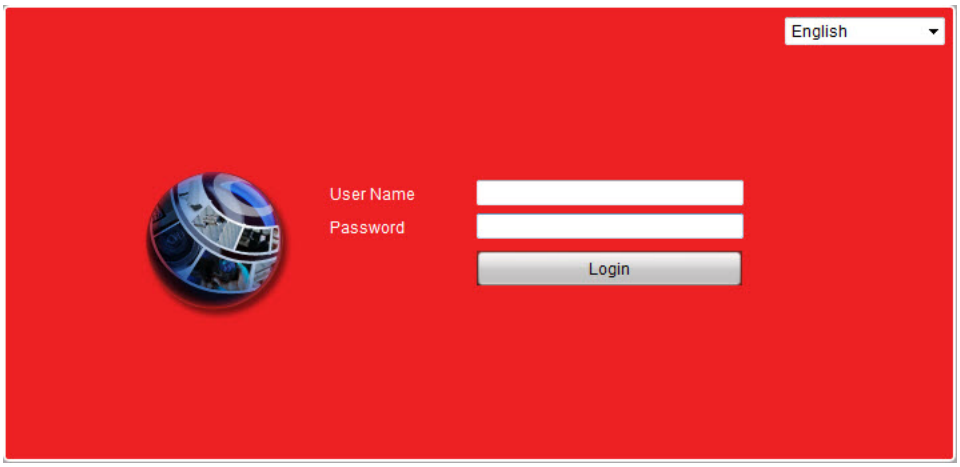
1. Open Internet Explorer.
2. Type the IP address and HTTP port of the DVR in the browser's address bar, with the HTTP port separated from the IP address by a colon, and then press **Enter**.

   For example, if the IP address of the DVR is 164.178.45.172 and the HTTP port is 8001, you would type **http://164.178.45.172:8001** in the address bar.

   Alternatively, if the DVR is configured to use the hrgDDNS service, type www.hrgdvr-ddns.com/*dvrdomainname* in the address bar, and then press **Enter**.

   For example, if the DVR's domain name is hrg-sample-dvr, you would type **www.hrgdvr-ddns.com/hrg-sample-dvr** in the address bar.
3. Enter the DVR user name and password, and then click **Login**. The default user name is **admin** and the default password is **12345**.

4. The first time you access the DVR with the browser you will be prompted to download and install the WebComponents.exe plug-in. Click the message in the center of the screen and then follow the on-screen instructions.

Note If you receive an error message, your browser may not be configured to download and run ActiveX controls. See *Browser Requirements, page 6*.

2

Viewing and Recording Live Video

This chapter contains the following sections:

- *Live View Page Overview, page 9*
- *Viewing Live Video, page 10*
- *Controlling PTZ Cameras, page 11*
- *Recording Live Video to Your PC, page 12*
- *Saving a Screen Capture to Your PC, page 13*
- *Adjusting Video Settings, page 13*
- *Adjusting Audio Settings, page 14*

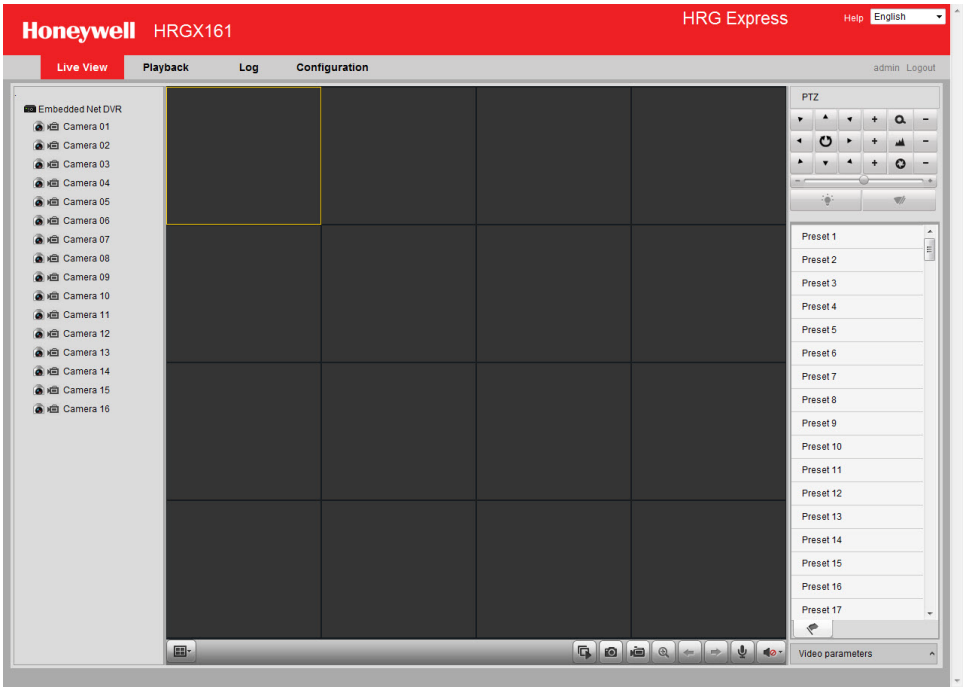
Live View Page Overview

On the **Live View** page, you can do the following:

- view live video
- control PTZ cameras
- record live video to PC
- save screen captures to PC
- configure video settings for each camera
- configure audio settings for each camera

Viewing Live Video

You can view real-time streaming video from cameras connected to the DVR. You can display video from a single camera in single-screen mode or from multiple cameras in multi-screen mode.



To start viewing live video from selected cameras:

1. Select the display mode that you want to use by clicking the display mode button on the toolbar at the bottom of the display window.
2. Select one of the following options:

   1×1 (4ch/8ch/16ch)

   2×2 (4ch/8ch/16ch)

   3×3 (8ch/16ch)

   4×4 (16ch)

3. If you are in multi-screen mode, select the screen you want to view video in. The selected screen is indicated by a yellow border.
4. From the list of cameras in the left pane, click the camera icon of the camera you want to view.

   The camera icon changes from to and live video from the camera appears in the screen you selected.

5. If you are in multi-screen mode, click another screen so that the yellow border appears around it, and then click the camera icon of the camera you want to view in that screen. Do this for each camera that you want to view.

To start viewing live video from all cameras:

- On the toolbar at the bottom of the display window, click the **Start All Live View** button .

To display live video full-screen:

- Double-click the screen to enter full-screen mode. Double-click the screen again to exit full-screen mode.

To stop viewing live video from selected cameras:

- From the list of cameras in the left pane, click the camera icon of the camera(s) that you want to stop viewing.

  The camera icon changes from to and video from the selected camera(s) no longer appears in the selected screen.

To stop viewing live video from all cameras:

- On the toolbar at the bottom of the display window, click the **Stop All Live View** button .

Controlling PTZ Cameras

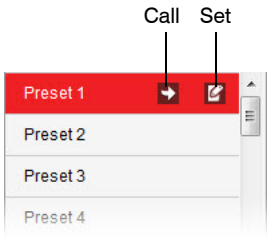
You can control PTZ cameras remotely from your browser using the PTZ control interface in the right pane.

To call a preset:

- Select a preset from the list of presets, and then click the **Call** button.

To set a preset:

- Select a preset from the list of presets, and then click the **Set** button.



Recording Live Video to Your PC

You can record live video to your PC's hard drive. The recorded video is saved in MPEG-4 (MP4) format to the folder listed on the **Configuration** page under **Local Configuration** (by default, C:\Users*username*\Web\RecordFiles).

To start recording video:

- From the list of cameras in the left pane, click the record icon of the camera you want to start recording.

  The record icon changes from to .

Note The camera must already be in live view mode before you can start recording video.

To stop recording video:

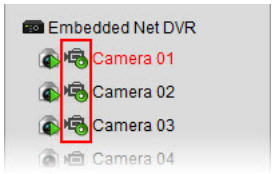
- From the list of cameras in the left pane, click the record icon of the camera you want to stop recording.

  The record icon changes from to .

To start recording video from all the cameras:

- On the toolbar at the bottom of the display window, click the **Start All Recording** button .

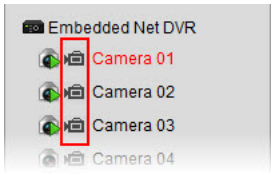
  All the cameras in live view mode start recording video.



To stop recording video from all the cameras:

- On the toolbar at the bottom of the display window, click the **Stop All Recording** button .

  The message "All Record succeeded" appears in the lower right corner of the screen and all the cameras in live view mode stop recording video.



Saving a Screen Capture to Your PC

You can save a screen capture from the live video feed to your PC's hard drive. Screen captures are saved in JPEG format to the folder listed on the **Configuration** page under **Local Configuration** (by default, C:\Users*username*\Web\CaptureFiles).

To save a screen capture:

- On the toolbar at the bottom of the display window, click the **Capture** button .

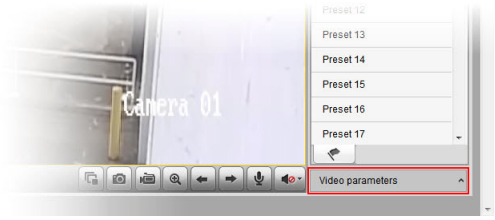
  The message "Capture succeeded" appears in the lower right corner of the screen.

Adjusting Video Settings

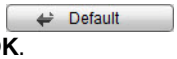
You can adjust the video settings of a selected camera based on the current lighting conditions.

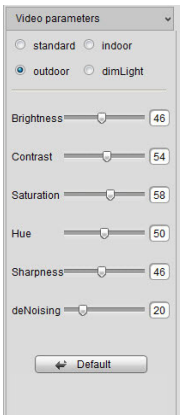
To adjust the video settings:

1. In the right pane, at the bottom, click **Video parameters** to expand the video settings interface.



2. Click one of the pre-configured options (**standard**, **indoor**, **outdoor**, or **dimLight**) or adjust the settings manually by moving the slider or entering a value.

   To restore the default settings, click the **Default** button  , and then, at the prompt, click **OK**.



Adjusting Audio Settings

If the DVR is set up to monitor sound, you can listen to audio from and send audio to the DVR.

Note A camera's video type must be set to **Video&Audio** to send an audio signal. To set the video type, go to **Configuration > Remote Configuration > Camera Settings > Video Settings**.

The audio is muted by default. To turn it on, click the **Audio On** button on the toolbar. Drag the slider right or left to increase or decrease the volume.

The microphone feature is disabled by default. To enable it, click the **Start Two-way Audio** button on the toolbar.

3

Viewing and Saving Recorded Video

This chapter contains the following sections:

- *Playback Page Overview, page 15*
- *Searching for Recorded Video, page 16*
- *Playing Recorded Video, page 17*
- *Saving a Screen Capture, page 17*
- *Saving a Video Clip, page 18*
- *Saving Recorded Video Files, page 18*

Playback Page Overview

On the **Playback** page, you can do the following:

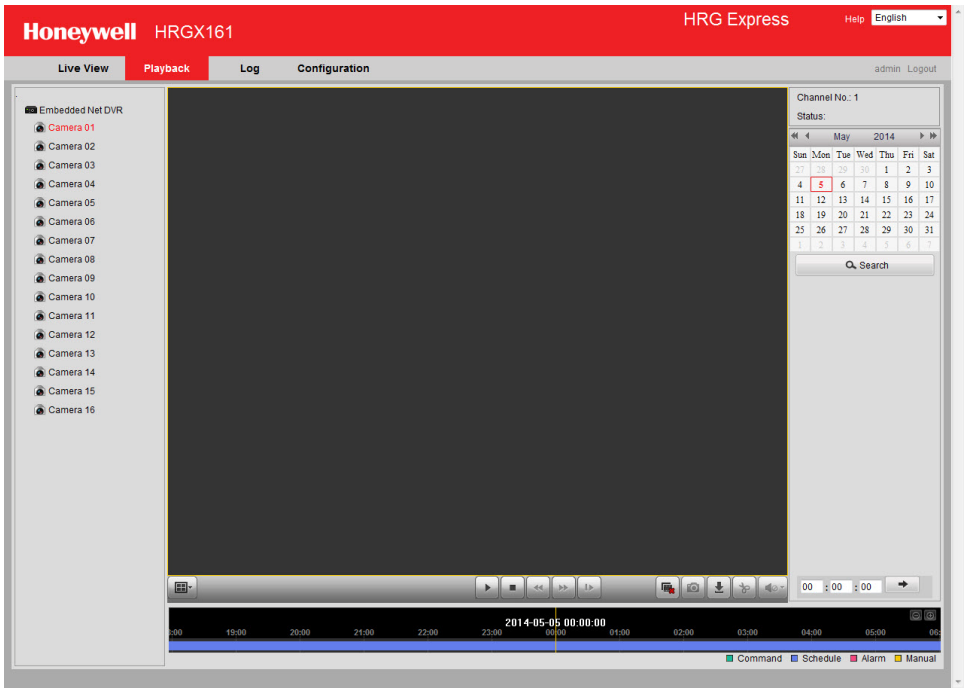
- search for recorded video files
- play back recorded video files
- save screen captures to PC
- create video clips
- save video clips to PC
- archive recorded video files to PC

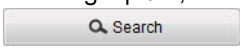
Searching for Recorded Video

You can use the calendar and timeline to search for recorded video files.

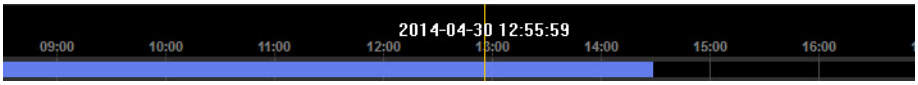
To search for recorded video files:

1. Click the **Playback** tab.



2. From the list of cameras in the left pane, click the camera that you want to search.
3. In the calendar in the right pane, click the date you want to search, and then click the **Search** button 

.
4. Indicate the time you want to start playing back from by doing one of the following:
   - In the time field at the bottom of the right pane, manually enter the time (hh:mm:ss), and then click the **Go to** button
.
   - On the timeline, drag the desired playback start time to the yellow center line, and then release the mouse button.



Playing Recorded Video

After you have selected the camera, date, and playback start time, you can begin playing recorded video using the following controls, located on the toolbar at the bottom of the display screen:

- Click to start playback.
- Click to speed up playback. Clicking again increases the speed (up to 4×).
- Click to slow down playback. Clicking again decreases the speed (down to 1/4×).
- Click to play the video frame-by-frame.
- Click to pause playback.
- Click to stop playback.

  To stop playback from all cameras, click the **Stop All Playback** button .

To display recorded video full-screen:

- Double-click the screen to enter full-screen mode. Double-click the screen again to exit full-screen mode.

Saving a Screen Capture

You can save a screen capture from the recorded video to your PC's hard drive. Screen captures are saved in JPEG format to the folder listed on the **Configuration** page under **Local Configuration** (by default, C:\Users*username*\Web\PlaybackPics).

To save a screen capture:

- During playback, on the toolbar at the bottom of the display window, click the **Capture** button . The message "Capture succeeded" appears in the lower right corner of the screen.

Saving a Video Clip

You can create and save a video clip to your PC's hard drive when playing back recorded video. The clip is saved in MPEG-4 (MP4) format to the folder listed on the **Configuration** page under **Local Configuration** (by default, C:\Users*username*\Web\PlaybackFiles).

To create and save a video clip:

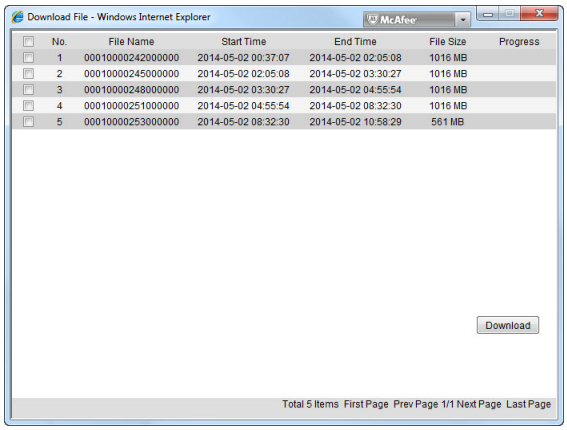
1. During playback, at the time you want to start the clip, click the **Start clipping** button on the toolbar.
2. To end the clip, click the **Stop clipping** button . The message "Clip succeeded" appears in the lower right corner of the screen.

Saving Recorded Video Files

You can save recorded video to your PC's hard drive for later viewing. The file is saved in MPEG-4 (MP4) format to the folder listed on the **Configuration** page under **Local Configuration** (by default, C:\Users*username*\Web\DownloadFiles).

To save a recorded video file:

1. On the **Playback** page, in the right pane, click the date you want to save video from.
2. Click the **Download** button . A list of recorded video files is displayed.



3. Select the file(s) you want to save, and then click **Download**.

   The progress of the download is displayed in the **Progress** column. A confirmation message appears when the download is complete. To stop the download, click **Stop**, and then, at the prompt, click **OK**.

4

Working with Log Files

This chapter contains the following sections:

- *Log Page Overview, page 19*
- *Searching the Log, page 20*
- *Viewing a Log Entry, page 21*
- *Saving a Log Entry, page 21*

Log Page Overview

On the **Log** page, you can view and save the activity log entries for the DVR. The log entries are classified into the following major and minor types:

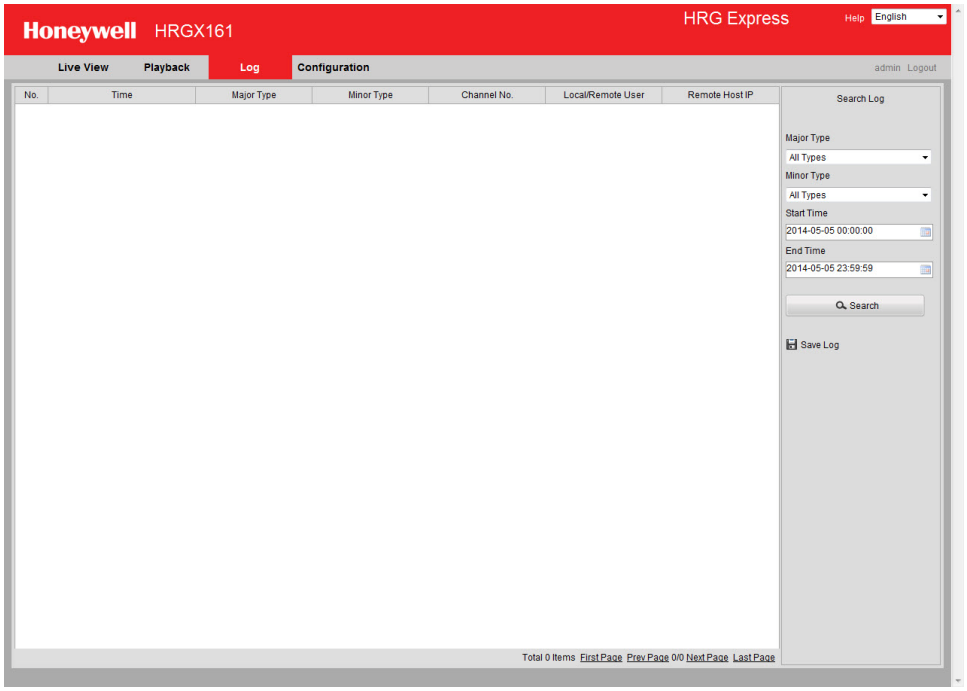
Major Type	Minor Type
Alarm	Alarm Input, Alarm Output, Start/Stop Motion Detection, Start/Stop Tamper-proof
Exception	Video Signal Loss, Illegal Login, HDD Full, HDD Error, Network Disconnected, Record/Capture Error, IP Address Conflicted, Video Signal Exception, Input/Output Video Standard Mismatch, IP Camera Disconnect, IP Address of IPC Conflict, Resolution Mismatch
Operation	Power On, Local and Remote Settings (various), Establish Transparent Channel, Disconnect Transparent Channel, Start/Stop Two-way Audio
Information	HDD Information, Start/Stop Record, Delete Expired Video File, NetHDD Information, S.M.A.R.T. Information, Start/Stop Capture, RAID

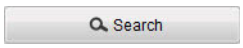
Searching the Log

The log is searchable by date. You can further narrow the search by specifying a particular log type and/or time to search.

To search the log:

1. Click the **Log** tab.



2. In the right pane, under **Search Log**, select the **Major Type** and **Minor Type** you want to search. To search all types, proceed directly to step 3.
3. Enter the **Start Time** and **End Time** search parameters.
4. Click the **Search** button 

.

   The search results are displayed in the main window and the message "Searching log finished" appears.

Viewing a Log Entry

Log search results are displayed in the main window in a numbered list under the following headings: Time, Major Type, Minor Type, Channel No., Local/Remote User, and Remote Host IP.

Scroll down the list to view all the entries. If more than one page of search results is displayed, use the navigation controls in the lower right corner of the screen (First Page, Prev Page, Next Page, Last Page) to move between pages.

Saving a Log Entry

You can save a log entry to your PC's hard drive.

To save a log entry:

1. In the main window, click the log entry you want to save. The entry is highlighted red.
2. In the right pane, click **Save Log**.
3. In the **Save As** window, navigate to the directory where you want to save the file, enter a name for the file in the **File Name** field, select the file type in the **Save as type** field (Text file or Excel file), and then click **Save**.

5

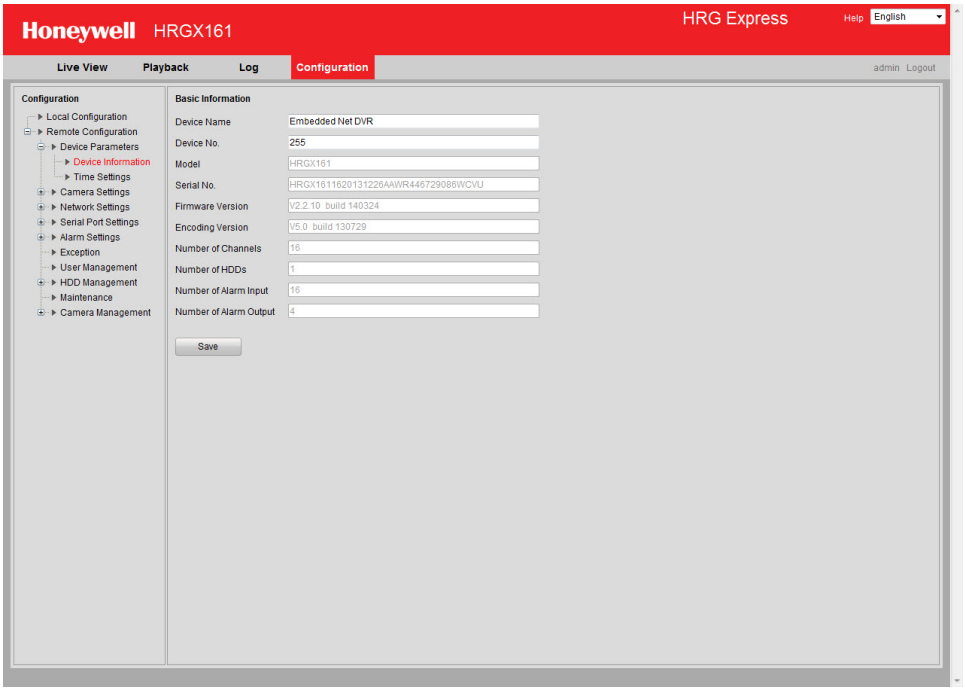
Configuring the DVR Remotely

This chapter contains the following sections:

- *Configuration Page Overview, page 23*

Configuration Page Overview

On the **Configuration** page, you can configure the DVR and camera settings remotely. For more information about configuring these settings, refer to the H*RGX DVR User Manual* (800-16694), available for download from the product webpage.



Honeywell Security Products Americas (Head Office)
2700 Blankenbaker Pkwy, Suite 150
Louisville, KY 40299, USA
www.honeywell.com/security
☏ +1 800 323 4576

Honeywell Security Europe/South Africa
Aston Fields Road, Whitehouse Industrial Estate
Runcorn, WA7 3DL, United Kingdom
www.honeywell.com/security/uk
☏ +44 (0) 1928 754 028

Honeywell Security Products Americas Caribbean/Latin America
9315 NW 112th Ave.
Miami, FL 33178, USA
www.honeywell.com/security/clar
☏ +1 305 805 8188

Honeywell Security Asia Pacific
35F Tower A, City Center, 100 Zun Yi Road
Shanghai 200051, China
www.asia.security.honeywell.com
☏ +86 21 2219 6888

Honeywell Security Middle East/N. Africa
Emaar Business Park, Sheikh Zayed Road
Building No. 2, Office No. 301
Post Office Box 232362
Dubai, United Arab Emirates
www.honeywell.com/security/me
☏ +971 (0) 4 450 5800

Honeywell Security Northern Europe
Ampèrestraat 41
1446 TR Purmerend, The Netherlands
www.honeywell.com/security/nl
☏ +31 (0) 299 410 200

Honeywell Security Deutschland
Johannes-Mauthe-Straße 14
72458 Albstadt, Germany
www.honeywell.com/security/de
☏ +49 (0) 7431 801-0

Honeywell Security France
Immeuble Lavoisier
Parc de Haute Technologie
3-7 rue Georges Besse
92160 Antony, France
www.honeywell.com/security/fr
☏ +33 (0) 1 40 96 20 50

Honeywell Security Italia SpA
Via della Resistenza 53/59
20090 Buccinasco
Milan, Italy
www.honeywell.com/security/it
☏ +39 (0) 2 4888 051

Honeywell Security España
Avenida de Italia, n° 7, 2ª planta
C.T. Coslada
28821 Coslada, Madrid, Spain
www.honeywell.com/security/es
☏ +34 902 667 800

Honeywell

www.honeywell.com/security
+1 800 323 4576 (North America only)
https://www.honeywellsystems.com/ss/techsupp/index.html

Document 800-18321 – Rev A – 06/2014

© 2014 Honeywell International Inc. All rights reserved. No part of this publication may be reproduced by any means without written permission from Honeywell. The information in this publication is believed to be accurate in all respects. However, Honeywell cannot assume responsibility for any consequences resulting from the use thereof. The information contained herein is subject to change without notice. Revisions or new editions to this publication may be issued to incorporate such changes.